

[SECURITY ENHANCED AUTOMATIC PILOT SYSTEM FOR AIR VEHICLES]

Abstract

A security enhanced automatic pilot system for an air vehicle.

Upon a change of trajectory for an air vehicle during flight, the pilot is requested to confirm the change in trajectory. Through the placement of the pilot's finger on a fingerprint sensor, messages can be sent regarding the reason for the trajectory change. A first finger can represent a normal message, whereas a second message can represent a security message. Where a security message is sent, the automatic pilot system can automatically direct the air vehicle to a predetermined flight path.